

RAW SEQUENCE LISTING

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Application Serial Number: 10/518,383
Source: PCT
Date Processed by STIC: 1-27-06

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PCT

RAW SEQUENCE LISTING

DATE: 01/27/2006

PATENT APPLICATION: US/10/518,383

TIME: 09:43:44

Input Set : A:\263864US0XPCT.txt

Output Set: N:\CRF4\01272006\J518383.raw

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3 <110> APPLICANT: SANSON, ALAIN
4     OCHSENBEIN, FRANCOIS
5     DOLLE, FREDERIC
7 <120> TITLE OF INVENTION: PEPTIDES WITH AFFINITY FOR A PHOSPHOLIPID AND USES
9 <130> FILE REFERENCE: 263864US0XPCT
11 <140> CURRENT APPLICATION NUMBER: US 10/518,383
12 <141> CURRENT FILING DATE: 2004-12-29
14 <150> PRIOR APPLICATION NUMBER: PCT/FR03/02025
15 <151> PRIOR FILING DATE: 2003-06-30
17 <150> PRIOR APPLICATION NUMBER: FR 02 08202
18 <151> PRIOR FILING DATE: 2002-07-01
20 <160> NUMBER OF SEQ ID NOS: 20
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 75
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin
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35 1             5             10             15
38 Gly Leu Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu Leu Thr Ser Arg
39             20             25             30
42 Ser Asn Ala Gln Arg Gln Glu Ile Ser Ala Ala Tyr Lys Thr Leu Phe
43             35             40             45
46 Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe
47             50             55             60
50 Glu Lys Leu Val Val Ala Leu Leu Lys Pro Ser
51 65             70             75
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 75
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin
62 <400> SEQUENCE: 2
64 Asn Phe Asp Ala Glu Arg Asp Ala Leu Asn Ile Arg Lys Ala Ile Lys
65 1             5             10             15
68 Gly Met Gly Val Asp Glu Asp Thr Ile Val Asn Ile Leu Thr Asn Arg
69             20             25             30
72 Ser Asn Ala Gln Arg Gln Asp Ile Ala Phe Ala Tyr Gln Arg Arg Thr
73             35             40             45

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76 Lys Arg Glu Leu Ala Ser Asp Leu Lys Ser Glu Leu Ser Gly His Leu

77 50 55 60

80 Glu Arg Val Ile Leu Gly Leu Leu Lys Thr Ser

81 65 70 75

84 <210> SEQ ID NO: 3

85 <211> LENGTH: 75

86 <212> TYPE: PRT

87 <213> ORGANISM: Artificial Sequence

89 <220> FEATURE:

90 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin

92 <400> SEQUENCE: 3

94 Asp Phe Ser Pro Ser Val Asp Ala Glu Ala Ile Arg Lys Ala Ile Lys

95 1 5 10 15

98 Gly Ile Gly Thr Asp Glu Asp Met Leu Ile Ser Ile Leu Thr Glu Arg

99 20 25 30

102 Ser Asn Ala Gln Arg Gln Leu Ile Val Lys Glu Tyr Gln Ala Ala Tyr

103 35 40 45

106 Gly Arg Glu Leu Lys Asp Asp Leu Lys Ser Glu Leu Ser Gly His Phe

107 50 55 60

110 Glu Arg Leu Met Val Ala Leu Val Thr Pro Ser

111 65 70 75

114 <210> SEQ ID NO: 4

115 <211> LENGTH: 75

116 <212> TYPE: PRT

117 <213> ORGANISM: Artificial Sequence

119 <220> FEATURE:

120 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin

122 <400> SEQUENCE: 4

124 Gly Phe Asn Ala Met Glu Asp Ala Gln Thr Leu Arg Lys Ala Met Lys

125 1 5 10 15

128 Gly Leu Gly Thr Asp Glu Asp Ala Ile Ile Ser Val Leu Ala Tyr Arg

129 20 25 30

132 Asn Thr Ala Gln Arg Gln Glu Ile Arg Thr Ala Tyr Lys Ser Thr Ile

133 35 40 45

136 Gly Arg Asp Leu Ile Asp Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe

137 50 55 60

140 Glu Arg Val Ile Val Gly Met Met Thr Pro Ser

141 65 70 75

144 <210> SEQ ID NO: 5

145 <211> LENGTH: 75

146 <212> TYPE: PRT

147 <213> ORGANISM: Artificial Sequence

149 <220> FEATURE:

150 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin

152 <400> SEQUENCE: 5

154 Gly Phe Asp Pro Asn Gln Asp Ala Glu Ala Leu Arg Thr Ala Met Lys

155 1 5 10 15

158 Gly Phe Gly Ser Asp Glu Glu Ala Ile Leu Asp Ile Ile Thr Ser Arg

159 20 25 30

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162 Ser Asn Arg Gln Arg Gln Glu Val Cys Gln Ser Tyr Lys Ser Leu Tyr
 163 35 40 45
 166 Gly Arg Asp Leu Ile Ala Asp Leu Lys Ser Glu Leu Thr Gly Lys Phe
 167 50 55 60
 170 Glu Arg Leu Ile Val Gly Leu Met Arg Pro Ser
 171 65 70 75

174 <210> SEQ ID NO: 6

175 <211> LENGTH: 75

176 <212> TYPE: PRT

177 <213> ORGANISM: Artificial Sequence

179 <220> FEATURE:

180 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin

182 <400> SEQUENCE: 6

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 185 1 5 10 15
 188 Gly Leu Gly Thr Asp Glu Asp Thr Ile Ile Asp Ile Ile Thr His Arg
 189 20 25 30
 192 Ser Asn Val Gln Arg Gln Gln Ile Arg Gln Thr Phe Lys Ser His Phe
 193 35 40 45
 196 Gly Arg Asp Leu Met Thr Asp Leu Lys Ser Glu Ile Ser Gly Asp Leu
 197 50 55 60
 200 Glu Arg Leu Ile Leu Gly Leu Met Met Pro Ser
 201 65 70 75

204 <210> SEQ ID NO: 7

205 <211> LENGTH: 75

206 <212> TYPE: PRT

207 <213> ORGANISM: Artificial Sequence

209 <220> FEATURE:

210 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin

212 <400> SEQUENCE: 7

214 Pro Gly Asp Ala Ile Arg Asp Ala Glu Ile Leu Arg Lys Ala Met Lys
 215 1 5 10 15
 218 Gly Phe Gly Thr Asp Glu Gln Ala Ile Val Asp Val Val Ala Asn Arg
 219 20 25 30
 222 Ser Asn Asp Gln Arg Gln Lys Ile Lys Ala Ala Phe Lys Thr Ser Tyr
 223 35 40 45
 226 Gly Arg Asp Leu Ile Lys Asp Leu Lys Ser Glu Leu Ser Gly Asn Met
 227 50 55 60
 230 Glu Arg Leu Ile Leu Ala Leu Phe Met Pro Ser
 231 65 70 75

234 <210> SEQ ID NO: 8

235 <211> LENGTH: 75

236 <212> TYPE: PRT

237 <213> ORGANISM: Artificial Sequence

239 <220> FEATURE:

240 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin

242 <400> SEQUENCE: 8

244 His Phe Asn Pro Asp Pro Asp Val Glu Thr Leu Arg Lys Ala Met Lys
 245 1 5 10 15

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248 Gly Ile Gly Thr Asn Glu Gln Ala Ile Ile Asp Val Leu Thr Lys Arg
249          20          25          30
252 Ser Asn Thr Gln Arg Gln Thr Ile Ala Lys Ser Phe Lys Ala Gln Phe
253          35          40          45
256 Gly Arg Asp Leu Thr Glu Asp Leu Lys Ser Glu Leu Ser Gly Lys Leu
257          50          55          60
260 Glu Arg Leu Ile Val Ala Leu Met Tyr Pro Ser
261 65          70          75
264 <210> SEQ ID NO: 9
265 <211> LENGTH: 75
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin
272 <400> SEQUENCE: 9
274 Gly Phe Asp Pro Leu Arg Asp Ala Glu Val Leu Arg Lys Ala Met Lys
275 1          5          10          15
278 Gly Phe Gly Thr Asp Glu Gln Ala Ile Ile Asp Cys Leu Gly Ser Arg
279          20          25          30
282 Ser Asn Lys Gln Arg Gln Gln Ile Leu Leu Ser Phe Lys Thr Ala Tyr
283          35          40          45
286 Gly Arg Asp Leu Ile Lys Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe
287          50          55          60
290 Glu Lys Thr Ile Leu Ala Leu Met Lys Thr Ser
291 65          70          75
294 <210> SEQ ID NO: 10
295 <211> LENGTH: 75
296 <212> TYPE: PRT
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin
302 <400> SEQUENCE: 10
304 Gly Phe Asp Val Asp Arg Asp Ala Lys Lys Leu Arg Lys Ala Met Lys
305 1          5          10          15
308 Gly Met Gly Thr Asn Glu Ala Ala Ile Ile Glu Ile Leu Ser Gly Arg
309          20          25          30
312 Thr Ser Asp Glu Arg Gln Gln Ile Lys Gln Lys Tyr Lys Ala Thr Tyr
313          35          40          45
316 Gly Arg Glu Leu Glu Glu Asp Leu Lys Ser Glu Leu Ser Gly Asn Phe
317          50          55          60
320 Glu Lys Thr Ala Leu Ala Leu Leu Asp Arg Ser
321 65          70          75
324 <210> SEQ ID NO: 11
325 <211> LENGTH: 79
326 <212> TYPE: PRT
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin
333 <220> FEATURE:

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334 <221> NAME/KEY: MISC_FEATURE
335 <222> LOCATION: (22)..(22)
336 <223> OTHER INFORMATION: Xaa = Leu, Met or Trp
338 <220> FEATURE:
339 <221> NAME/KEY: MISC_FEATURE
340 <222> LOCATION: (34)..(34)
341 <223> OTHER INFORMATION: Xaa = Thr or Lys
343 <220> FEATURE:
344 <221> NAME/KEY: MISC_FEATURE
345 <222> LOCATION: (45)..(45)
346 <223> OTHER INFORMATION: Xaa = Ser or Lys
348 <220> FEATURE:
349 <221> NAME/KEY: MISC_FEATURE
350 <222> LOCATION: (48)..(48)
351 <223> OTHER INFORMATION: Xaa = Phe or Tyr
353 <220> FEATURE:
354 <221> NAME/KEY: MISC_FEATURE
355 <222> LOCATION: (50)..(50)
356 <223> OTHER INFORMATION: Xaa = Thr or Glu
358 <220> FEATURE:
359 <221> NAME/KEY: misc_feature
360 <222> LOCATION: (63)..(63)
361 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <222> LOCATION: (69)..(69)
366 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
368 <220> FEATURE:
369 <221> NAME/KEY: misc_feature
370 <222> LOCATION: (71)..(71)
371 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
373 <400> SEQUENCE: 11
375 Gly Ser Gly Cys Gly Phe Asp Glu Arg Ala Asp Val Glu Thr Leu Arg
376 1 5 10 15
W--> 379 Lys Ala Met Lys Gly Xaa Gly Thr Asp Glu Glu Ser Ile Leu Thr Leu
380 20 25 30
W--> 383 Leu Xaa Ser Arg Ser Asn Ala Gln Arg Gln Glu Ile Xaa Ala Ala Xaa
384 35 40 45
W--> 387 Lys Xaa Leu Phe Gly Arg Asp Leu Leu Asp Asp Leu Lys Ser Xaa Leu
388 50 55 60
W--> 391 Thr Gly Lys Phe Xaa Lys Xaa Val Val Ala Leu Leu Lys Pro Ser
392 65 70 75
395 <210> SEQ ID NO: 12
396 <211> LENGTH: 78
397 <212> TYPE: PRT
398 <213> ORGANISM: Artificial Sequence
400 <220> FEATURE:
401 <223> OTHER INFORMATION: Synthetic Peptide; sequence derived from human annexin
403 <400> SEQUENCE: 12

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/518,383

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Input Set : A:\263864US0XPCT.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 22,34,45,48,50,62,69,71
Seq#:13; Xaa Pos. 25,37,48,51,53,66,72,74
Seq#:14; Xaa Pos. 29,41,52,55,57,70,76,78
Seq#:15; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,13,14,15,18,21,23,24,25,26,27,28
Seq#:15; Xaa Pos. 29,30,31,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48
Seq#:15; Xaa Pos. 49,51,52,53,54,56,59,61,62,63,64,65,66,67,68,69,70,71,72
Seq#:15; Xaa Pos. 73,74,75
Seq#:16; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,16,17,18,21,24,26,27,28
Seq#:16; Xaa Pos. 29,30,31,32,33,34,36,37,38,39,40,41,42,43,44,45,46,47,48
Seq#:16; Xaa Pos. 49,50,51,52,54,55,56,57,59,62,64,65,66,67,68,69,70,71,72
Seq#:16; Xaa Pos. 73,74,75,76,77,78

VERIFICATION SUMMARY

DATE: 01/27/2006

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Input Set : A:\263864US0XPCT.txt

Output Set: N:\CRF4\01272006\J518383.raw

L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:32
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:48
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:64
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:16
L:484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:32
L:488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:48
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:64
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:16
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:32
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:48
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:64
L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:16
L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:32
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:48
L:834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:64
L:1081 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:1085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16
L:1089 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:32
L:1093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:48
L:1097 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:64